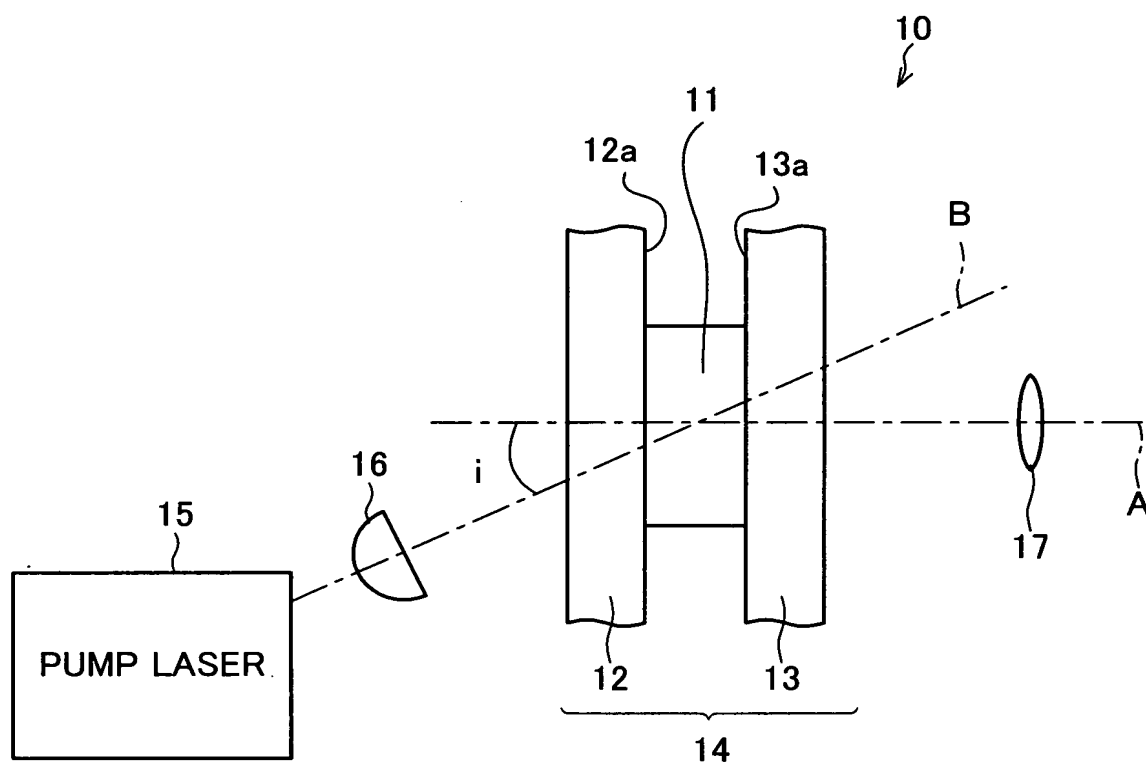


FIG. 1



2 / 1 6

FIG. 2 (a)

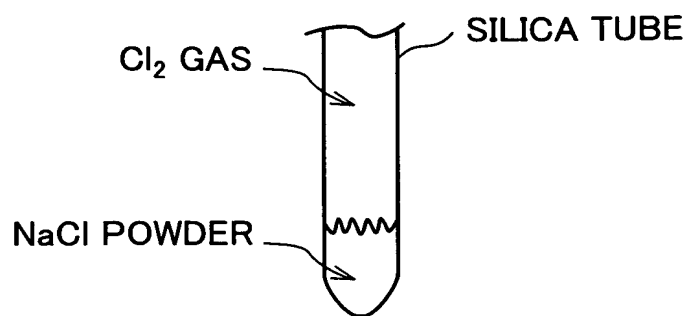


FIG. 2 (b)

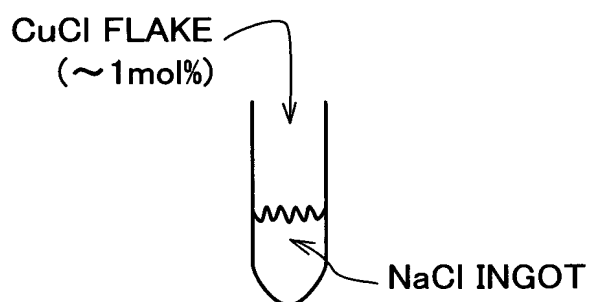


FIG. 2 (c)

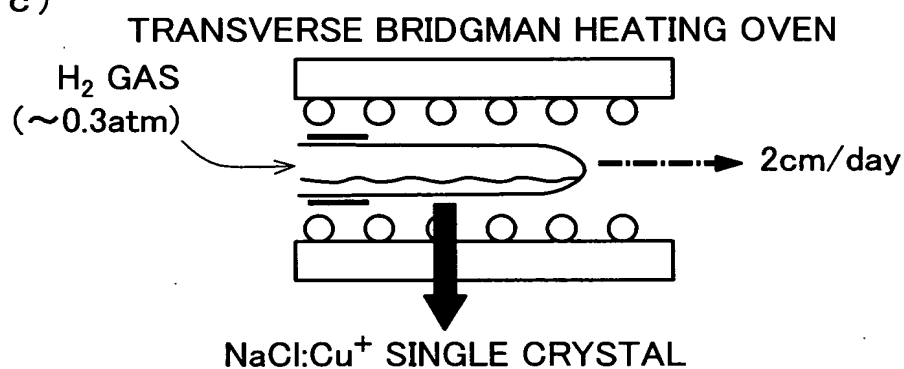


FIG. 2 (d)

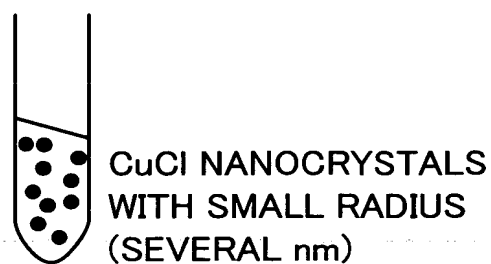


FIG. 2 (e)

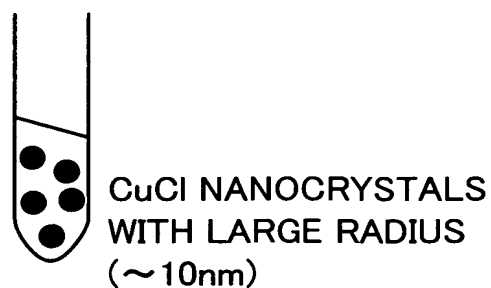
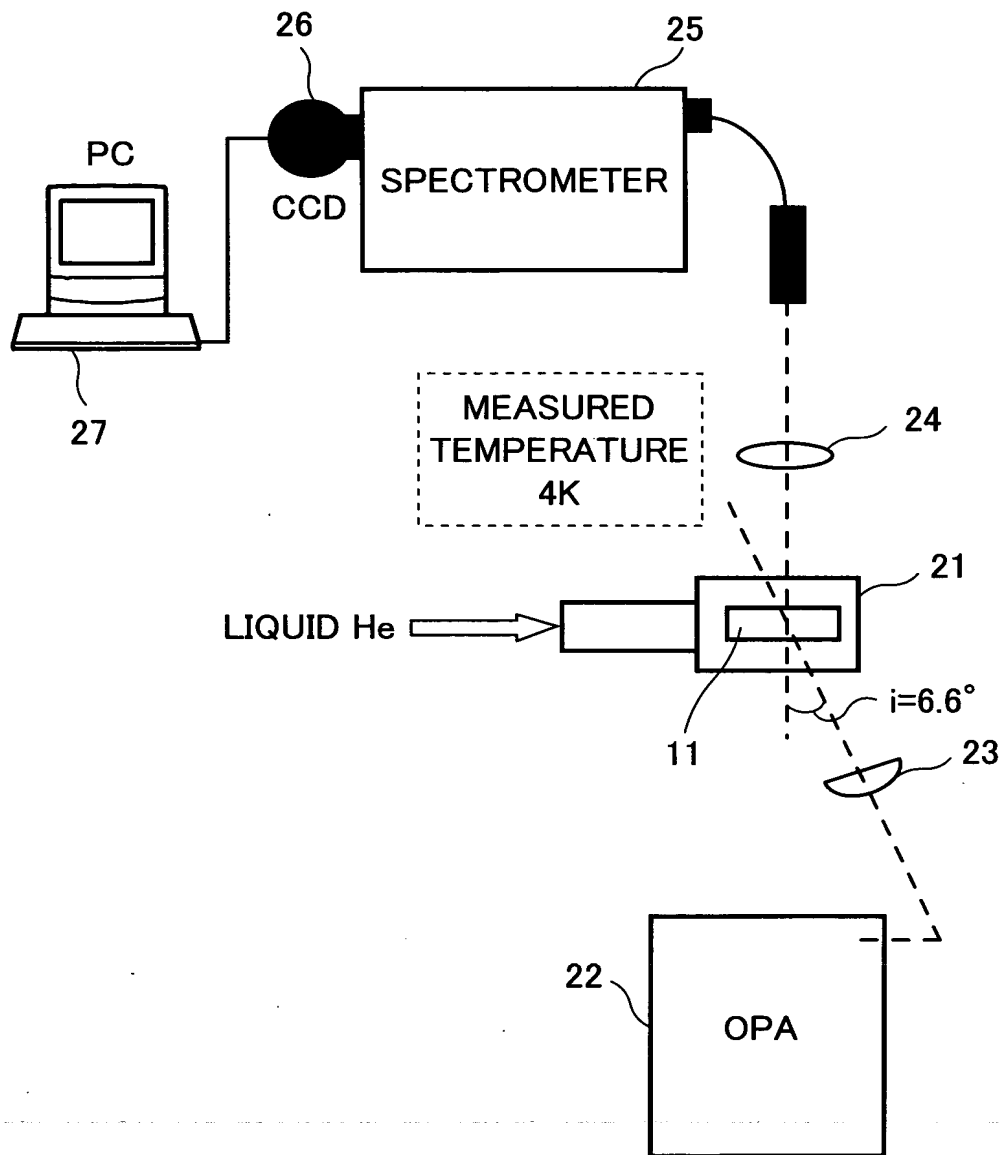
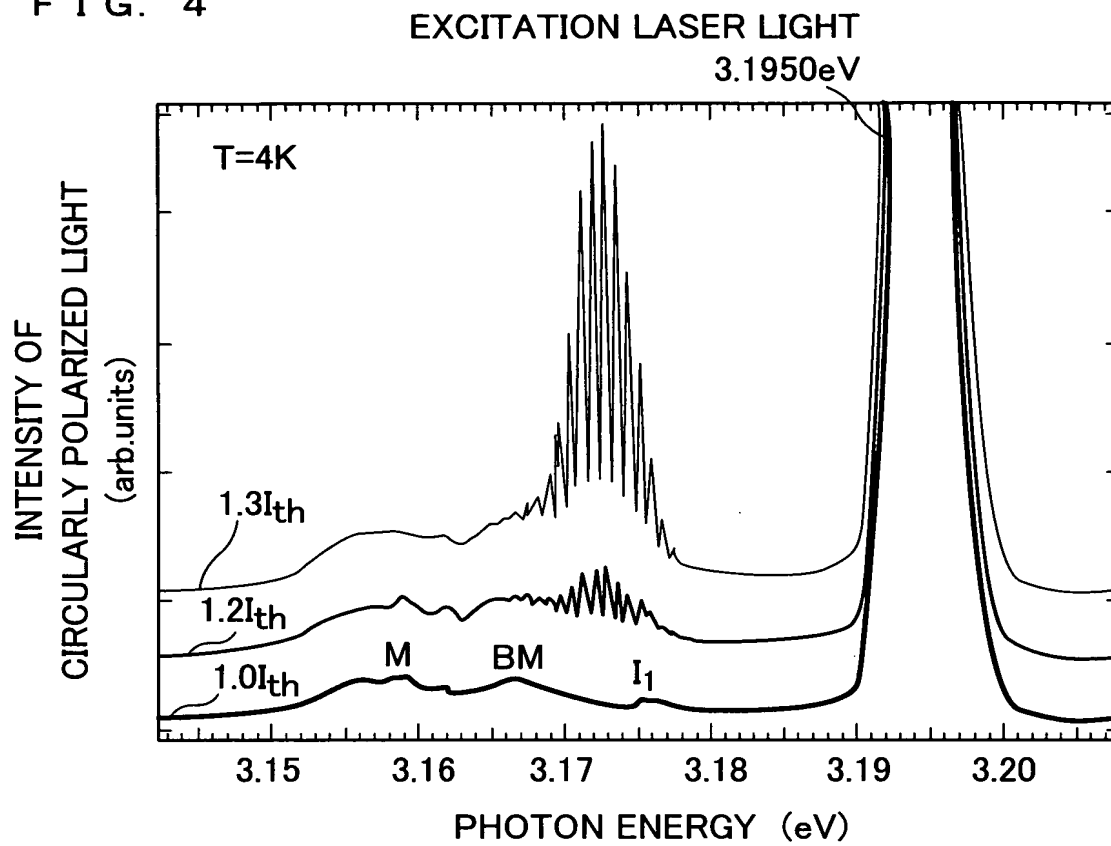


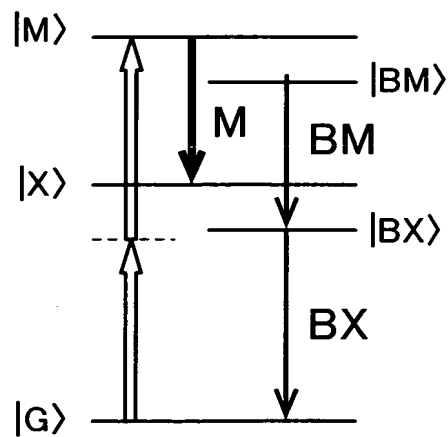
FIG. 3



F I G. 4

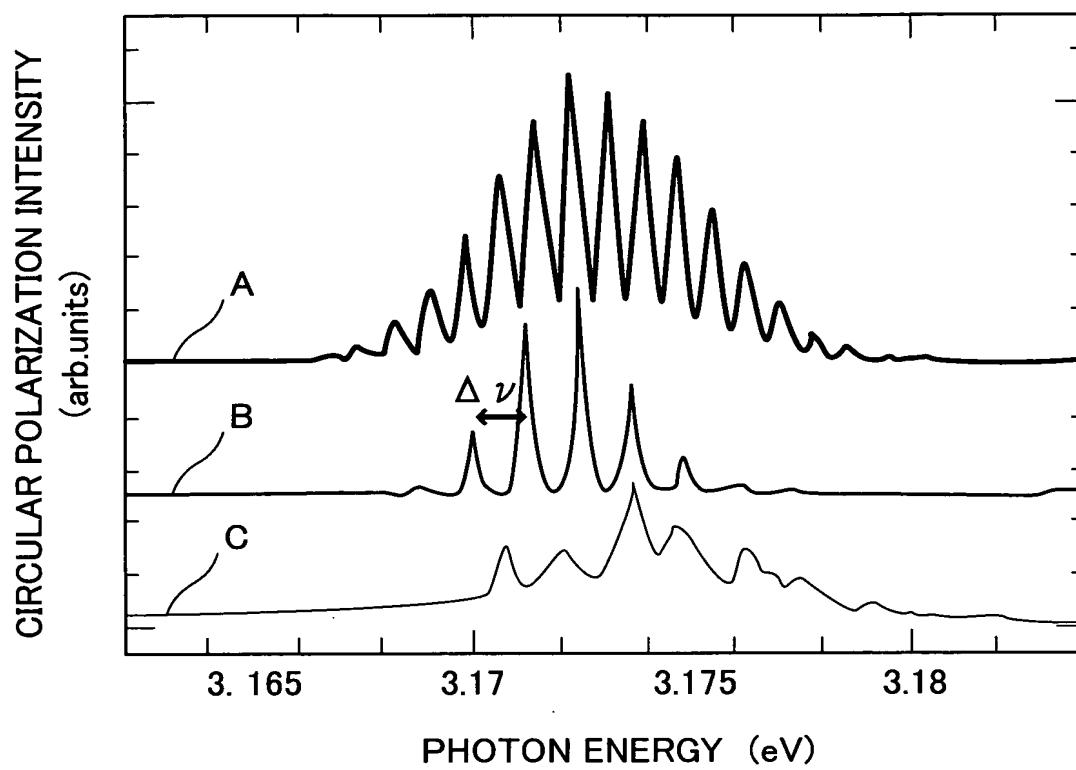


F I G. 5



M	: BIEXCITON
BM	: BOUND BIEXCITON
X	: EXCITON
BX	: BOUND EXCITON

FIG. 6



F I G. 7

SAMPLE	MODE DISTANCE $\Delta \nu$	CALCULATED CRYSTAL THICKNESS(mm)	ACTUALLY MEASURED CRYSTAL THICKNESS(mm)
A	$1.980 \times 10^{11} \text{ s}^{-1}$	0.48	0.46
B	$2.942 \times 10^{11} \text{ s}^{-1}$	0.32	0.30
C	$3.215 \times 10^{11} \text{ s}^{-1}$	0.29	0.27

FIG. 8

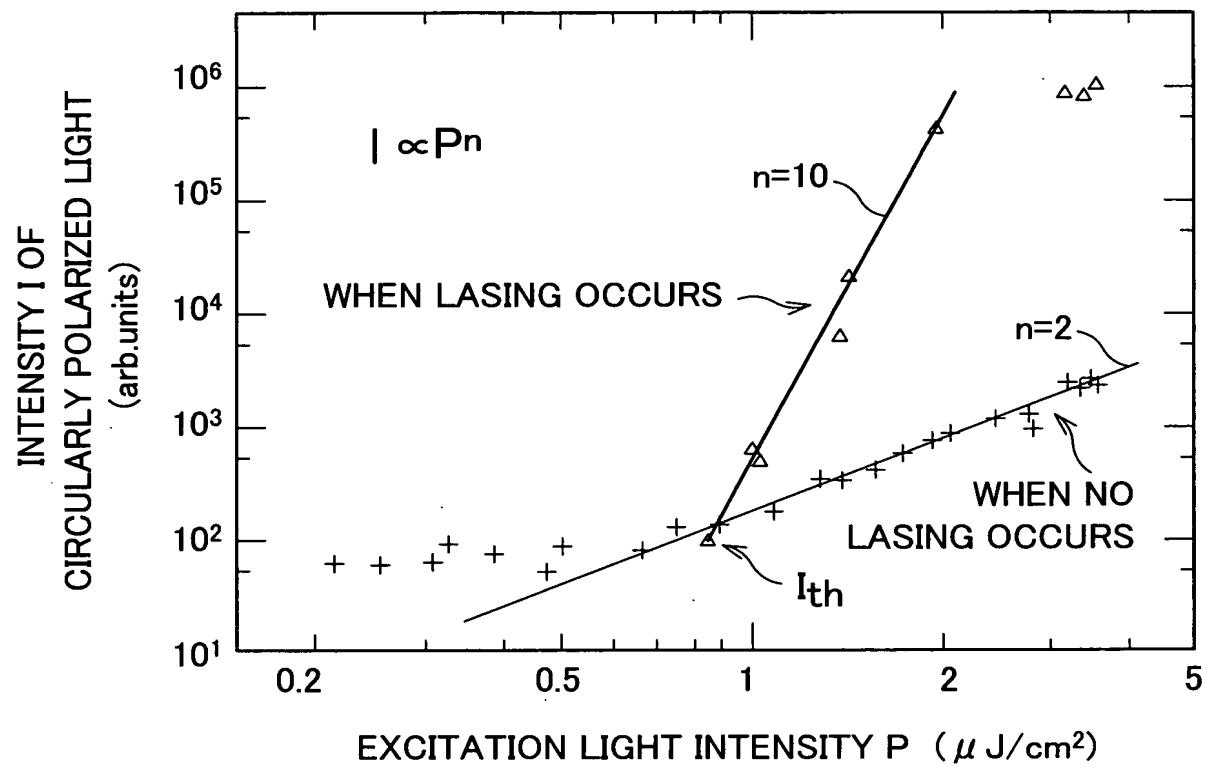


FIG. 9(a)

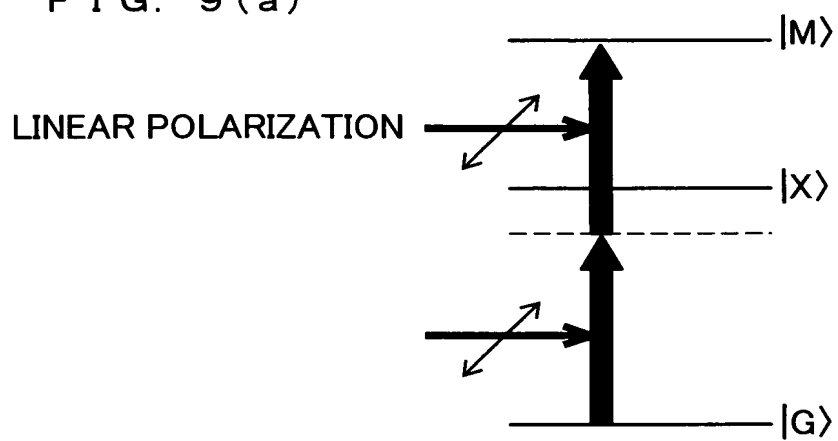


FIG. 9(b)

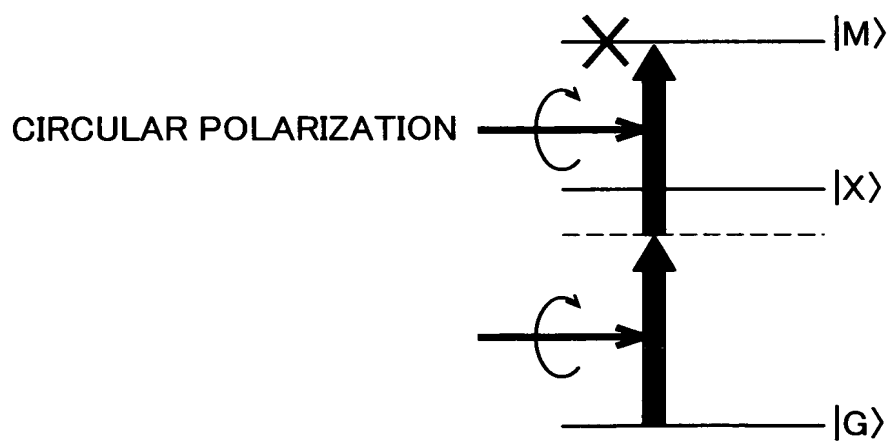


FIG. 10

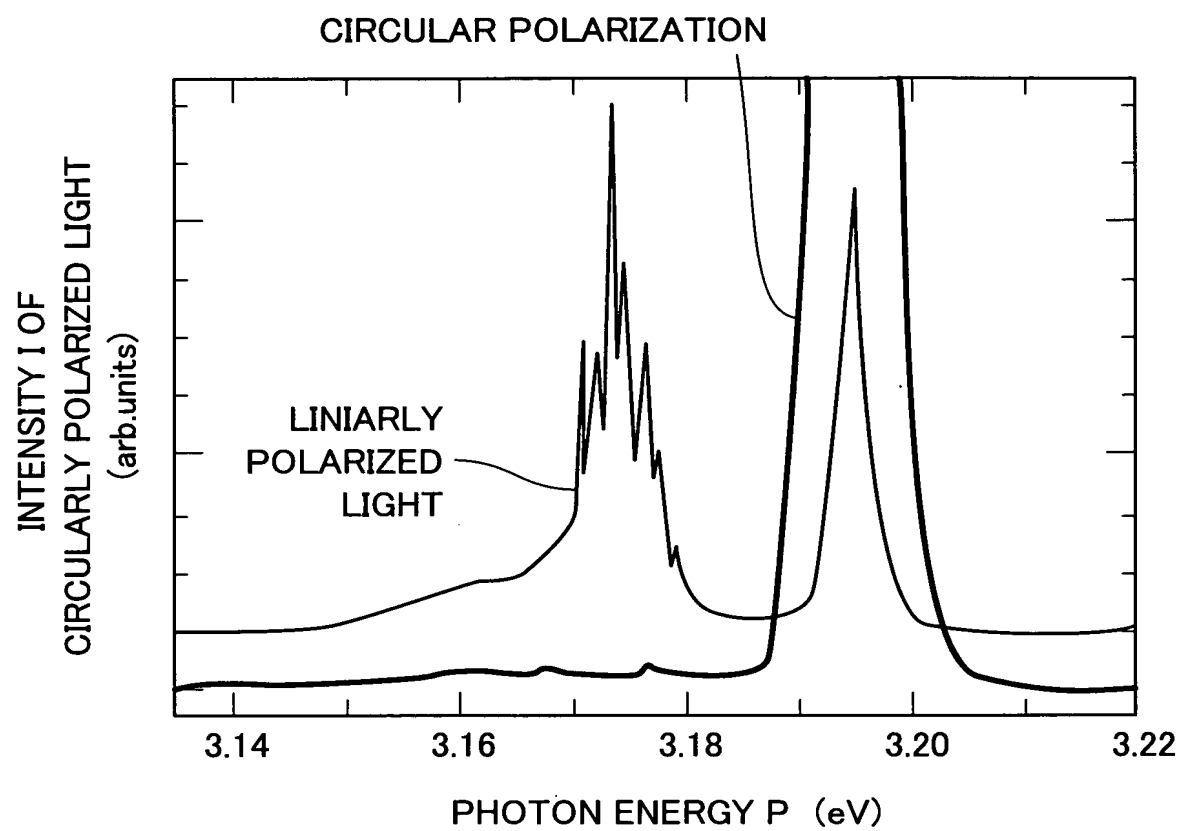


FIG. 11

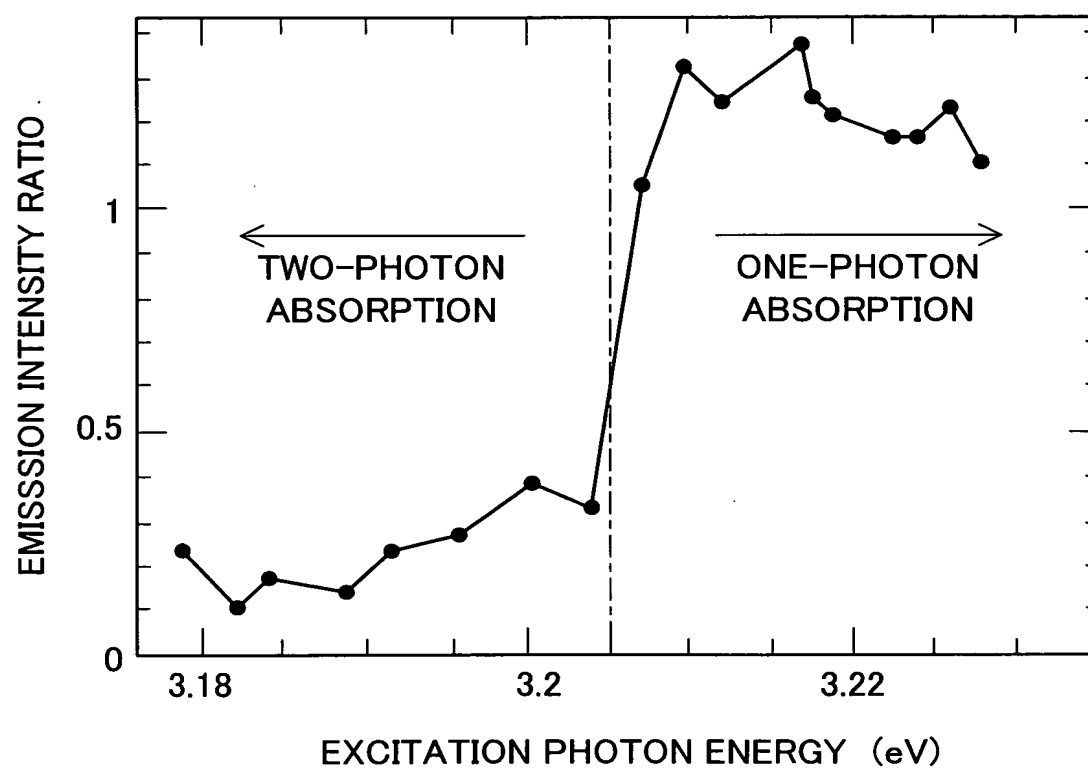


FIG. 12

	EXAMPLE	CONVENTIONAL ART
PHOTON ENERGY OF EXCITATION LASER LIGHT (WAVELENGTH OF EXCITATION LASER LIGHT)	3.1950eV (389nm)	3.68eV (337nm)
PULSE WIDTH OF EXCITATION LASER LIGHT	(1) PICOSECOND (1.5ps) (2) FEMTOSECOND (200fs)	NANOSECOND (10ns/20ns)
EXCITATION MODE	TWO-PHOTON RESONANT EXCITATION OF BIEXCITONS	BAND-TO-BAND EXCITATION
RESONATOR	NaCl CLEAVED SURFACE	DIELECTRIC MIRROR
REFLECTANCE R OF RESONATOR	5%	90%
Q-FACTOR	13,400	128,000
LASING THRESHOLD VALUE I_{th}	(1) 67MW/cm ² (100 μ J/cm ²) (2) 7.5MW/cm ² (1.5 μ J/cm ²)	2.1MW/cm ² (21mJ/cm ²)

FIG. 13

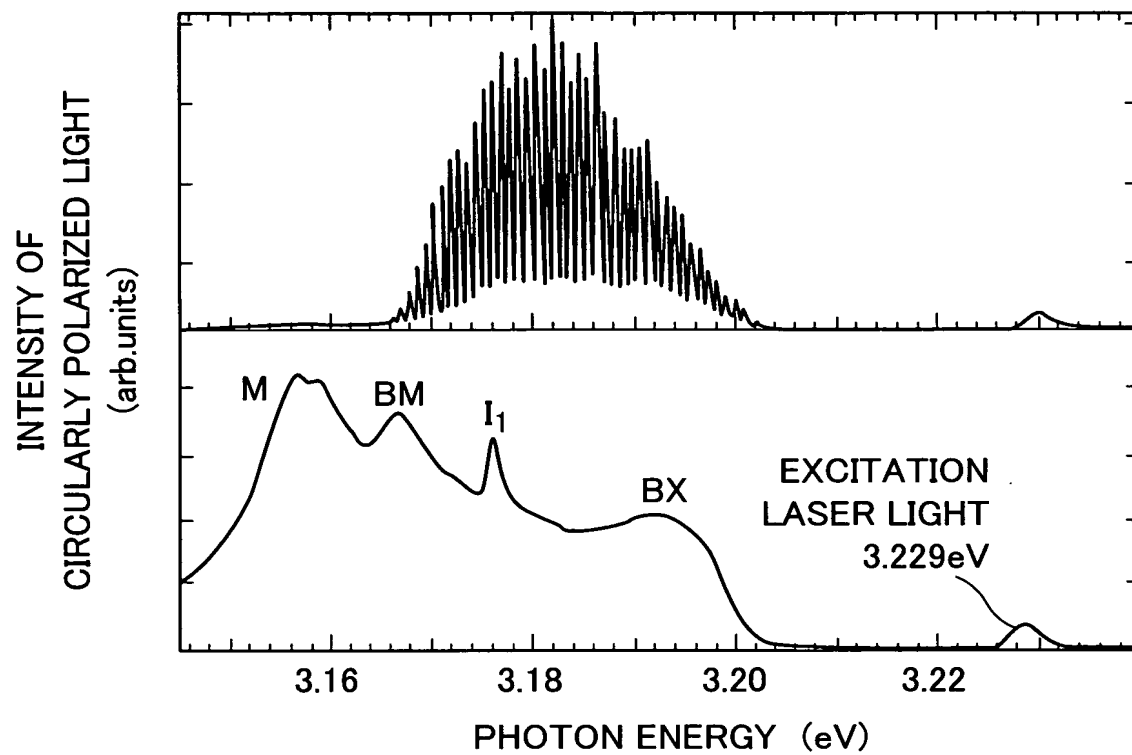
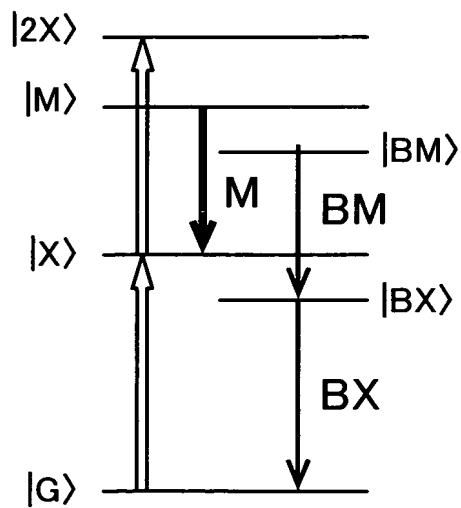


FIG. 14



M : BIEXCITON
 BM : BOUND BIEXCITON
 X : EXCITON
 BX : BOUND EXCITON

FIG. 15(a)

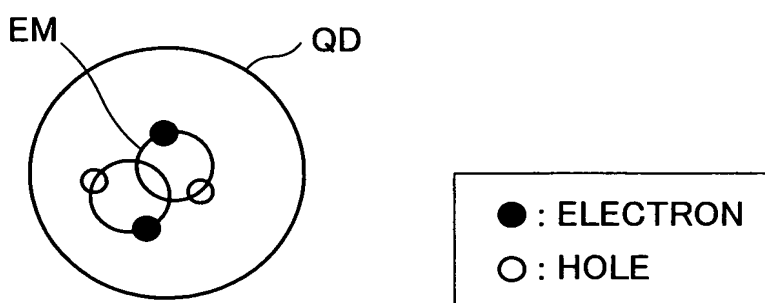
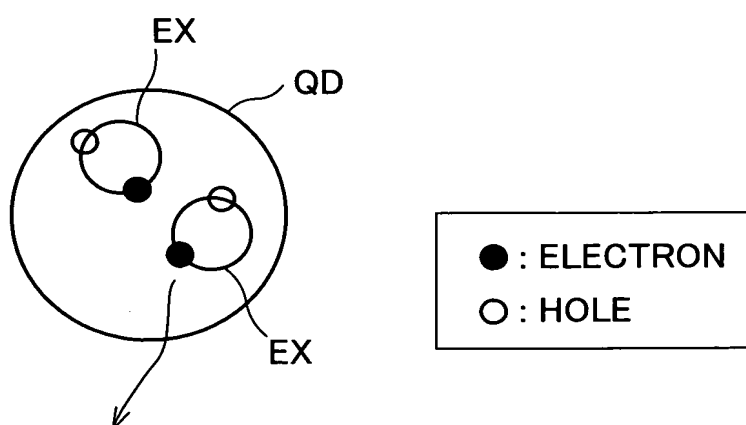
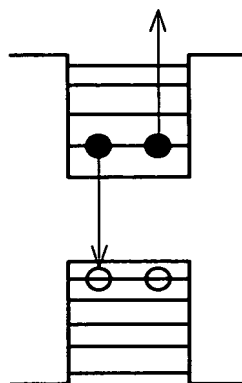


FIG. 15(b)



F I G. 1 6 (a)



F I G. 1 6 (b)

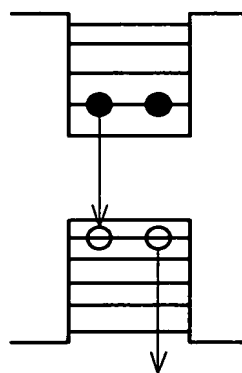


FIG. 17

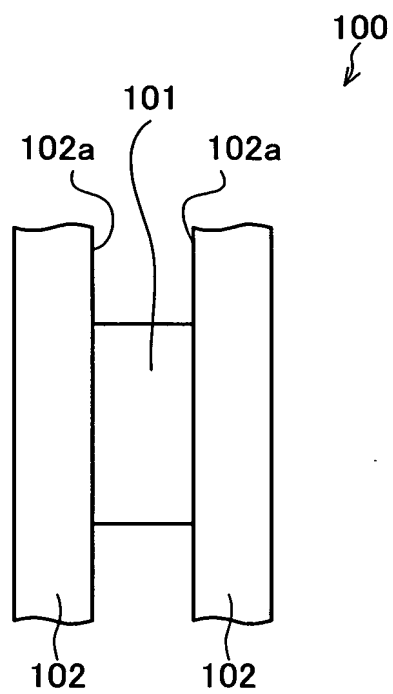


FIG. 18

